AMENDMENTS TO THE CLAIMS

1. (Cancelled)

2. (Currently Amended) The connector equipped with a valve as described in claim ~~1~~ 3, further comprising a valve cap receiving a second axial-side end of said compression spring and being integrally formed with a first axial-side end of said cylindrical bushing.

2. (Currently Amended) The connector equipped with a valve as described in claim ~~1~~ 3, further comprising a valve cap receiving a second axial-side end of said compression spring and being integrally formed with a first axial-side end of said cylindrical bushing.

3. (Currently Amended) A connector equipped with a valve, comprising:
a connector housing comprising:
a through path;
a tube connection section being formed at a first axial side;
a pipe insertion section being formed at a second axial side;
a valve housing section disposed between said tube connection section and said pipe insertion section;
an inner diameter of said valve housing section being larger than an inner diameter of said tube connection section;
an internal valve disposed in said connector housing to open and close said through path and comprising:
a valve seat surface formed on an inner surface of said housing between said tube connection section and said valve housing section;
a closing section having an outer perimeter section;
an abutting surface formed on said outer perimeter section and abutting said valve seat surface;

a main valve body housed in said valve housing section and allowing axial movement;

a compression spring biasing said main valve body toward a first axial side;

a cylindrical bushing being fitted to said pipe insertion section and filling a space between an inner perimeter surface of a first axial side of said pipe insertion section and an insertion-side end of an inserted pipe body;

~~The connector equipped with a valve as described in claim 1, wherein said main valve unit comprises:~~

a housing-side guide extending from said closing section to a second axial side and sliding over an inner perimeter surface of said valve housing section; and

a connection-side guide extending toward a first axial side from said closing section and sliding over an inner perimeter surface of said tube connection section.

4. (Original) The connector equipped with a valve as described in claim 3, further comprising;

a support groove formed on a second axial side of said housing-side guide of said main valve body wherein a first axial-side end of said compression spring is held and supported in said support groove.

5. (Currently Amended) The connector equipped with a valve as described in claim ~~1~~ 3, further comprising a small through-hole communicating with said through-path at both axial sides of said closing section and formed in said closing section of said main valve body.

6. (Currently Amended) The connector equipped with a valve as described in claim ~~1~~ 3, wherein said valve seat surface is formed with a linear cross-section shape and said abutting surface of said closing section is formed as an arc projecting outward in cross section.